

# CUMULATIVE INDEXES

## CONTRIBUTING AUTHORS, VOLUMES 24-33

### A

Abawi GS, 25:317-38  
 Adams PB, 28:59-72  
 Ainsworth CG, 32:20-25  
 Alcorn JL, 26:37-56  
 Allan RE, 33:429-43  
 Allard RW, 27:77-94  
 Allmaras RR, 26:219-43  
 Anderson JB, 33:369-91  
 Andrews JH, 30:603-35  
 Appel DN, 33:103-18  
 Ariat M, 30:443-61  
 Atkinson HJ, 32:235-59  
 Aust H-J, 24:491-510  
 Aylor DE, 28:73-92

### B

Baker CJ, 33:299-321  
 Baker KF, 25:67-85  
 Bakker AW, 25:339-58  
 Bakker J, 31:169-90  
 Bakker PAHM, 25:339-58  
 Baldwin BC, 26:265-83  
 Baldwin JG, 30:271-90  
 Bar-Joseph M, 27:291-316  
 Barker KR, 30:47-66  
 Barnes LW, 32:601-9  
 Barnett HL, 27:33-40  
 Barras F, 32:201-34  
 Beachy RN, 28:451-74  
 Beattie GA, 33:145-72  
 Beijersbergen AGM, 32:157-79  
 Bell AA, 24:411-51  
 Beniwal SPS, 31:217-32  
 Beute MK, 29:279-303  
 Blanchette RA, 29:381-98  
 Bol JF, 28:113-38  
 Bonman JM, 30:508-28  
 Bos L, 33:69-102  
 Bostock RM, 27:343-71  
 Boucher CA, 30:443-61  
 Boyer JS, 33:251-74  
 Brakke MK, 26:331-50  
 Brasier CM, 30:153-200  
 Brodie BB, 27:443-61  
 Brown DJF, 33:223-49  
 Bruel GW, 29:1-12  
 Bruening G, 24:355-81  
 Bujarski JJ, 32:337-62  
 Burdon JJ, 31:305-23

### C

Carrington JC, 26:123-43  
 Carson MJ, 27:373-95  
 Castello JD, 27:165-86  
 Charles TC, 30:463-84  
 Chatterjee AK, 32:201-34  
 Chumley FG, 29:443-67  
 Cisar CR, 30:637-57  
 Civerolo EL, 29:399-420  
 Coakley SM, 26:163-81  
 Coffey MD, 24:311-38  
 Cohen Y, 24:311-38  
 Cole RJ, 25:249-70  
 Colhoun J, 31:22-31  
 Collmer A, 24:383-409  
 Collmer CW, 30:419-42  
 Cook RJ, 31:53-80  
 Cooksey DA, 28:201-19  
 Coplin D, 27:187-212  
 Cornelissen BJC, 28:113-38  
 Crute IR, 30:485-506  
 Cubeta MA, 32:135-55  
 Culver JN, 29:193-217

### D

da Graça JV, 29:109-36  
 Daniels MJ, 26:285-312  
 Daub ME, 24:159-86  
 Daughtrey ML, 32:61-73  
 Davids LC, 24:43-65  
 Davis JM, 25:169-88  
 Davis MJ, 24:115-40  
 Davis RE, 24:339-54  
 Dawson WO, 29:193-217  
 Day PR, 30:1-13  
 Deacon JW, 30:27-36  
 de Boer JM, 31:169-90  
 de Bruin-Brink G, 24:27-31  
 de Graaff M, 32:311-35  
 Denny TP, 33:173-97  
 Desjardins AE, 31:233-52  
 De Waard MA, 31:403-21  
 de Wit PJGM, 30:391-418  
 Dickinson MJ, 32:115-33  
 Diener UL, 25:249-70  
 Dixon R, 32:479-501  
 Djordjevic MA, 25:145-68  
 Dolja VV, 32:261-85  
 Dougherty WG, 26:123-43  
 Dow JM, 26:285-312  
 Drenth A, 30:107-30

Dropkin VH, 26:145-61  
 Duggal R, 32:287-309  
 Duncan LW, 29:469-90  
 Durbin RD, 26:313-29

### E

Ebel J, 24:235-64  
 Eckert JW, 26:433-69  
 Edwards MC, 32:363-86  
 Ellingboe AH, 25:59-66  
 Ellis JG, 26:245-63  
 Eskes AB, 27:503-31  
 Esser RP, 27:41-45  
 Estey RH, 24:17-25

### F

Fahy PC, 24:93-114  
 Fitt BDL, 27:241-70  
 Folkertsma RT, 31:169-90  
 Foster RC, 24:211-34  
 Fraser RSS, 28:179-200  
 Fravel DR, 26:75-91  
 French R, 31:81-109  
 Fry WE, 30:107-30  
 Fulton JP, 25:111-23  
 Fulton RW, 24:67-81

### G

Gabriel DW, 25:145-68; 28:365-91  
 Gallegly ME, 27:33-40  
 Gardan L, 30:67-105  
 Gaunt RE, 33:119-44  
 Geiger HH, 27:317-41  
 Georgi LL, 28:247-69  
 Georgopoulos SG, 31:403-21  
 Gengerich RC, 25:111-23  
 Gerlach WL, 28:341-63  
 German TL, 30:315-48  
 Gilbertson RL, 32:387-411  
 Gillespie TJ, 30:553-77  
 Glass NL, 30:201-24  
 Glawe DA, 30:17-24  
 Goldbach RW, 24:289-310  
 Golden AM, 29:15-26  
 Gommers FJ, 31:169-90  
 Goodwin SB, 27:77-94; 30:107-29  
 Gough CL, 30:443-61  
 Grace JK, 26:25-28  
 Graniti A, 28:27-36

# 580 CONTRIBUTING AUTHORS

Griffiths HM, 32:49-60  
Grogan RG, 25:1-8  
Gross DC, 29:247-78  
Gullino ML, 32:559-79  
Guries RP, 31:325-52  
Gustafson GD, 27:95-121

## H

Hall TC, 32:287-309  
Hammerschmidt RE, 30:369-89  
Hampton RO, 32:363-86  
Hanlin RT, 33:23-35  
Hansen EM, 30:153-200  
Harman GE, 28:321-39  
Harrison BD, 32:39-47  
Harrison MJ, 32:479-501  
Hau B, 28:221-45  
Hayward AC, 29:65-87  
Heagle AS, 27:397-423  
Heiniger U, 32:581-99  
Henson J, 31:81-109  
Herzog J, 32:439-59  
Heun M, 27:317-41  
Hewitt WB, 25:41-50  
Hibben CR, 32:61-73  
Hirano SS, 28:155-77  
Hoch HC, 25:231-47  
Hofmann C, 32:439-59  
Hoiink HAJ, 24:93-114  
Holden DW, 27:463-81  
Holloman DW, 31:403-31  
Hooper DJ, 32:26-36  
Hooykas PJJ, 32:157-79  
Hopkins DL, 27:271-90  
Horsfall J, 29:29-33  
Houston DR, 32:75-87  
Howell SH, 30:419-42  
Huang J-s, 24:141-57  
Huber L, 30:553-77  
Huettel RN, 29:15-26  
Hughes G, 33:529-64  
Hulbert SH, 25:383-404  
Hull R, 27:213-40  
Hunter BG, 27:95-121  
Hussey RS, 27:123-41  
Hutson JL, 28:295-319  
Hyman BC, 29:89-107

## I

Irwin ME, 28:393-424  
Ishii H, 31:403-21

## J

Jackson AO, 27:95-121  
Jackson RD, 24:265-87  
Jacobsen BJ, 28:271-94  
James JR, 31:423-39  
Jaspars EMJ, 32:311-35  
Jatala P, 24:453-89  
Jin S, 30:463-84  
Johansen E, 32:363-86

Johnson AH, 30:349-67  
Johnson MC, 25:293-313  
Jones SS, 33:429-43

## K

Kahn RP, 29:219-46  
Karasev AV, 32:261-85  
Keen NT, 24:383-409  
Keese PK, 28:341-63  
Kelman A, 33:1-21  
Kerling LCP, 24:27-31  
Kerr A, 25:87-110  
Kessmann H, 32:439-59  
Khush GS, 30:507-28  
Kistler HC, 30:131-52  
Klepper B, 29:361-80  
Klich MA, 25:249-70  
Klupefel DA, 31:441-72  
Ko W, 26:57-73  
Kohn LM, 33:369-91  
Koltin Y, 28:37-58  
Koonin EV, 32:261-85  
Kotoujansky A, 25:405-30  
Kraft JM, 26:219-43  
Kuć J, 33:275-97  
Kuipers LAM, 32:559-79  
Kuldau GA, 30:201-24  
Kumar J, 31:217-32  
Kunoh H, 28:93-111  
Kushalappa AC, 27:503-81

## L

Lacy GH, 30:47-66  
Lahser FC, 32:287-309  
Lamb CJ, 32:479-501  
Langston-Unkefer PJ, 26:315-29  
Latch GCM, 25:293-313  
Latin RX, 29:343-60  
Lawrence GJ, 26:245-63  
Leath S, 26:369-78  
Lee IM, 24:339-54  
Lee LS, 25:249-70  
Lee RF, 27:291-316  
Lenné JM, 29:35-63  
Leong J, 24:187-209  
Leong S, 27:463-81  
Leroux P, 31:403-21  
Leslie JF, 31:127-51  
Lévesque CA, 30:579-602  
Lindbeck AGC, 29:193-217  
Lindeberg G, 27:47-57  
Lindow SE, 33:145-72  
Linthorst HJM, 28:113-38  
Lockwood JL, 26:93-121  
Loegering WQ, 25:59-66  
Loesch-Fries S, 28:451-74  
Lomonosoff GP, 33:323-43  
Lonsdale DM, 27:483-502  
Lucas WJ, 32:387-411  
Luttrell ES, 27:1-10

## M

Madden LV, 33:529-64  
Maetzel T, 32:439-59  
Maggenti AR, 28:13-23  
Mai WF, 25:317-38; 27:443-61;  
28:13-23  
Malaguti G, 28:1-10  
Marcus R, 27:291-316  
Marks GC, 25:207-29  
Martin RR, 26:409-32; 28:341-63  
Mathews DE, 27:143-64  
Mathews PS, 27:143-64  
Mathews REF, 25:11-23; 27:13-22  
Matuszak JM, 30:107-30  
McCartney HA, 27:241-70  
McDermott JM, 27:77-94;  
31:353-73; 32:89-113  
McDonald BA, 27:77-94; 31:353-73  
McGee DC, 33:445-66  
McKay AC, 31:151-67  
Mew TW, 25:359-82  
Miao VPW, 30:131-52  
Michelson RW, 25:383-404;  
33:393-427  
Miller DE, 26:219-43  
Miller SA, 26:409-32  
Mink GI, 31:375-402  
Moyer JW, 30:315-48  
Mundt C, 33:467-88  
Murray TD, 33:429-43

## N

Nagarajan S, 28:139-53  
Namkoong G, 29:325-42  
Neergaard P, 24:1-16  
Nelson PE, 31:233-52  
Nelson RJ, 30:507-28  
Nene YL, 26:203-17  
Nester EW, 30:463-84  
Newby LC, 31:423-39  
Nicholson RL, 30:369-89  
Niederhauser JS, 31:1-21  
Nienhaus F, 27:165-86  
Nigam SN, 29:279-303  
Nilsson H-E, 33:489-527  
Nuss DL, 28:37-58

## O

Ogawa JM, 26:433-69  
Ogoshi A, 25:125-43  
Ophel KM, 31:151-67  
Orlandi EW, 33:299-321  
Osborn AE, 26:285-312

## P

Panaccione DG, 31:275-303  
Pastervliet JE, 33:69-102  
Pasternak D, 25:271-91

Paulus AO, 28:271-94  
 Payne GA, 25:249-70  
 Peacock WJ, 26:245-63  
 Pedersen WL, 26:369-78  
 Peng G, 31:473-93  
 Perry VG, 27:41-45  
 Pirone TP, 30:47-66  
 Plattner RD, 31:233-52  
 Ponz F, 24:355-81  
 Pound GS, 25:51-58  
 Powelson ML, 31:111-26  
 Powers TO, 29:89-107  
 Pring DR, 27:483-502  
 Pryor AJ, 26:245-63; 32:115-33

## R

Ragsdale NN, 31:403-21; 32:545-57  
 Rahe JE, 30:579-602  
 Rathmell WG, 26:265/83  
 Rayner ADM, 29:305-23  
 Ream W, 27:583-618  
 Richards KE, 30:291-313  
 Rickman RW, 29:361-80  
 Riddle DL, 28:247-69  
 Rigling D, 32:581-99  
 Roberts PA, 33:199-221  
 Robertson WM, 33:223-49  
 Rodrigues CJ Jr, 30:39-45  
 Roelfs AP, 26:351-67  
 Rolfe BG, 25:145-68; 28:365-91  
 Romantschuk M, 30:225-43  
 Rouse DI, 26:183-201  
 Rowe RC, 31:111-26  
 Ryals J, 32:439-59  
 Ryan CA, 28:425-49

## S

Sackston WE, 30:529-51  
 Salmond GPC, 32:181-200  
 Samuels GJ, 33:37-67  
 Sanders TH, 25:249-70  
 Sayre RM, 29:149-66  
 Schafer JR, 31:32-41  
 Schäfer W, 32:461-77  
 Schein RD, 26:31-36  
 Schippers B, 25:339-58  
 Schwinn FJ, 31:403-21

Scott HA, 25:111-23  
 Seifert KA, 33:37-67  
 Sequeira L, 26:1-13; 31:42-52  
 Shaner G, 30:47-66  
 Shaw M, 32:523-44  
 Shephard MC, 25:189-206  
 Siegel MR, 25:293-313  
 Sijmons PC, 32:235-59  
 Sikora RA, 30:245-70  
 Simon AE, 32:337-62  
 Sinclair WA, 32:49-60  
 Singh DV, 28:139-53  
 Singh US, 31:217-32  
 Sisler HD, 32:559-79  
 Smalley EB, 31:325-52  
 Smucker AJM, 31:191-216  
 Spaink HP, 33:345-68  
 Spielman LJ, 30:107-29  
 Stall RE, 29:399-420  
 Staples RC, 25:231-47  
 Staub T, 29:421-42; 32:439-59  
 Stead DE, 30:67-105  
 Stermer BA, 27:343-71  
 Stover RH, 24:83-91  
 Stromberg EL, 30:47-66  
 Sutton JC, 31:473-93

## T

Takikawa Y, 30:67-105  
 Tamada T, 30:291-313  
 Tarjan AC, 27:41-45  
 Taylor AG, 28:321-39  
 Teakle DS, 27:23-31  
 TeBeest DO, 30:637-57  
 ten Houten JG, 24:27-31  
 Teng PS, 31:495-521  
 Thomas PL, 29:137-48  
 Thresh JM, 28:393-424  
 Tolin S, 27:551-81  
 Toussoun TA, 24:17-25  
 Travis JW, 29:343-60  
 Trudgill DL, 29:167-92; 33:223-49  
 Turner NE, 28:451-74  
 Tweedy BG, 31:423-39

## U

Uknes S, 32:439-59

Ullman DE, 30:315-48  
 Upper CD, 28:155-77

## V

Valent B, 29:443-67  
 Van Alfen NK, 27:533-50  
 van den Bosch F, 32:503-21  
 van der Voort JNR, 31:169-90  
 VanEttten HD, 27:143-64  
 van Gijsegem, 32:201-34  
 van Hoyningen-Huene J, 24:491-510  
 Vidaver A, 27:551-81  
 Vilgalys R, 32:135-55

## W

Wagenet RJ, 28:295-319  
 Walklate PJ, 27:241-70  
 Wallace HR, 27:59-75  
 Walter DE, 29:149-66  
 Walton JD, 31:275-303  
 Ward E, 32:439-59  
 Waterhouse PM, 28:341-63  
 Weller DM, 26:379-407  
 Wessels JGH, 32:413-37  
 Weste G, 25:207-29  
 Wheeler MH, 24:411-51  
 Wilson CL, 27:425-41  
 Wisniewski M, 27:425-41  
 Wolfe MS, 32:89-113  
 Wood D, 29:35-63  
 Wood RKS, 25:27-40  
 Wynne JC, 29:279-303  
 Wyss U, 32:235-59

## Y

Yamada T, 31:253-73  
 Yang XB, 30:637-57; 31:495-521  
 Young JM, 30:67-105  
 Young MJ, 28:341-63

## Z

Zadoks JC, 26:31-36; 32:503-21  
 Zentmyer GA, 26:17-21; 32:1-19  
 Zhang R, 32:115-33

Stephen Denis Garrett: Pioneer Leader in Plant Pathology	JW Deacon	30:27-36
Professor Branquinho d'Oliveira: A Portuguese Leader in Plant Pathology	CJ Rodrigues Jr	30:39-45
Ernest Charles Large: Pioneer in Phytopathometry	J Colhoun	31:23-31
Pioneer Leaders in Plant Pathology: Ralph M Caldwell	JF Schafer	31:33-41
William H Weston (1890-1978): Tribute and Remembrance	L Sequeira	31:43-52
Harry Marshall Ward, 1854-1906	GC Ainsworth	32:20-25
Tom Goodey: The Father of Nematology in Britain	DJ Hooper	32:26-36
Frederick Charles Bawden: Plant Pathologist and Pioneer in Plant Virus Research	BD Harrison	32:39-47
Pioneer Leaders in Plant Pathology: ES Luttrell	RT Hanlin	33:23-35
DEVELOPMENT OF CONCEPTS		
Evolving Concepts of Biological Control of Plant Pathogens	KF Baker	25:67-85
The Impact of Molecular Genetics on Plant Pathology	A Kerr	25:87-110
Evolution of Concepts Associated with Soilborne Plant Pathogens	JL Lockwood	26:93-121
Evolution of Concepts for Chemical Control of Plant Disease	BC Baldwin, WG Rathmell	26:265-83
Perspectives on Progress in Plant Virology	MK Brakke	26:331-50
Concepts and Technologies of Selected Seed Treatments	AG Taylor, GE Harman	28:321-39
Nomenclature and Concepts of Pathogenicity and Virulence	G Shaner, GH Lacy, EL Stromberg, KR Barker, TP Pirone	30:47-66
Changing Concepts in the Taxonomy of Plant Pathogenic Bacteria	JM Young, Y Takikawa, L Gardan, DE Stead	30:67-105
The Impact of Molecular Characters on Systematics of Filamentous Ascomycetes	GJ Samuels, KA Seifert	33:37-67
Concepts and Terminology on Plant/Pest Relationships: Toward Consensus in Plant Pathology and Crop Protection	L Bos, JE Parlevliet	33:69-102
DIAGNOSIS AND APPRAISAL OF PLANT DISEASE		
Remote Sensing of Biotic and Abiotic Plant Stress	RD Jackson	24:265-87
Use of Crop Growth-Models To Predict the Effects of Disease	DI Rouse	26:183-201
Molecular Diagnosis of Plant Pathogens	SA Miller, RR Martin	26:409-32
The Continuous Challenge of Citrus Tristeza Virus Control	M Bar-Joseph, R Marcus, RF Lee	27:291-316
Advances in Coffee Rust Epidemiology and Management	AC Kushalappa, AB Eskes	27:503-31
Epidemiology of Barley Yellow Dwarf: A Study in Ecological Complexity	ME Irwin, JM Thresh	28:393-424
Exclusion as a Plant Disease Control Strategy	RP Kahn	29:219-46
Research Relating to the Recent Outbreak of Citrus Canker in Florida	RE Stall, EL Civerolo	29:399-420
Making Greater Use of Introduced Microorganisms For Biological Control of Plant Pathogens	RJ Cook	31:53-80
The Polymerase Chain Reaction and Plant Disease Diagnosis	JM Henson, R French	31:81-109
Biology and Management of Early Dying of Potatoes	ML Powelson, RC Rowe	31:111-26

Ash Yellows and Its Relationship to Dieback and Decline of Ash	WA Sinclair, HM Griffiths	32:49-60
Dogwood Anthracnose: A New Disease Threatens Two Native <i>Cornus</i> Species	ML Daughtrey, CR Hibben	32:61-73
Major New Tree Disease Epidemics: Beech Bark Disease	DR Houston	32:75-87
The Oak Wilt Enigma: Perspectives from the Texas Epidemic	DN Appel	33:103-18
The Relationship between Plant Disease Severity and Yield	RE Gaunt	33:119-44
<b>PATHOGENS/FUNGI</b>		
Biosynthesis and Functions of Fungal Melanins	AA Bell, MH Wheeler	24:411-51
Ecology and Pathogenicity of Anastomosis and Interspecific Groups of <i>Rhizoctonia solani</i> Kühn	A Ogoshi JL Alcorn	25:125-43 26:37-56
The Taxonomy of "Helminthosporium" Species	W Ko	26:57-73
Hormonal Heterothallism and Homothallism in <i>Phytophthora</i>	ADM Rayner	29:305-23
The Phytopathological Significance of Mycelial Individualism	WE Fry, SB Goodwin, JM Matuszak, LJ Spielman, MG Milgroom, A Drenth	30:107-30
Population Genetics and Intercontinental Migrations of <i>Phytophthora Infestans</i>	HC Kistler, VPW Miao	30:131-52
New Modes of Genetic Change in Filamentous Fungi	CM Brasier	30:153-71
Evolutionary Biology of <i>Phytophthora</i> : I Genetic System, Sexuality and the Generation of Variation	CM Brasier, EM Hansen	30:173-200
Evolutionary Biology of <i>Phytophthora</i> : II Phylogeny, Speciation, and Population Structure	NL Glass, GA Kuldau JF Leslie	30:201-24 31:127-50
Mating Type and Vegetative Incompatibility in Filamentous Ascomycetes	MS Wolfe, JM McDermott	32:89-113
Fungal Vegetative Incompatibility	R Zhang, MJ Dickinson, A Pryor	32:115-33
Population Genetics of Plant Pathogen Interactions: The Example of the <i>Erysiphe graminis</i> - <i>Hordeum vulgare</i> Pathosystem	R Vilgalys, MA Cubeta	32:135-55
Double-Stranded RNAs in the Rust Fungi		
Molecular Systematics and Population Biology of <i>Rhizoctonia</i>		
<b>PATHOGENS/BACTERIA &amp; OTHER PROKARYOTES</b>		
Taxonomy of Plant-Pathogenic Coryneform Bacteria	MJ Davis	24:115-40
Current Status and Future Prospects of Research on Bacterial Blight of Rice	TW Mew	25:359-82
Molecular Genetics of Pathogenesis by Soft-Rot <i>Erwinias</i>	A Kotoujansky	25:405-30
Molecular Genetics of Pathogenicity in Phytopathogenic Bacteria	MJ Daniels, JM Dow, AE Osbourn	26:285-312
Plasmids and their Role in the Evolution of Plant Pathogenic Bacteria	DL Coplin	27:187-212
<i>Xylella Fastidiosa</i> : Xylem-Limited Bacterial Pathogen of Plants	DL Hopkins	27:271-90
<i>Agrobacterium Tumefaciens</i> and Interkingdom Genetic Exchange	W Ream	27:583-618
Population Biology and Epidemiology of <i>Pseudomonas syringae</i>	SS Hirano, CD Upper	28:155-77
Biology and Epidemiology of Bacterial Wilt Caused by <i>Pseudomonas</i>	AC Hayward	29:65-87
Citrus Greening Disease	JV da Graça	29:109-36

Molecular and Genetic Analysis of Toxin Production by Pathovars <i>Pseudomonas syringae</i>	DC Gross	29:247-78
Attachment of Plant Pathogenic Bacteria to Plant Surfaces	M Romantschuk	30:225-43
Toxicogenic <i>Clavibacter/Angruina</i> Associations Infecting Grass Seedheads	AC McKay, KM Ophel	31:151-67
The Virulence System of <i>Agrobacterium tumefaciens</i>	PIJ Hooykaas, AGM Beijersbergen	32:157-79
Secretion of Extracellular Virulence Factors by Plant Pathogenic Bacteria	GPC Salmund	32:181-200
Extracellular Enzymes and Pathogenesis of Soft-rot <i>Erwinia</i>	F Barras, F van Gijsegem, AK Chatterjee	32:201-34
The Secret Life of Foliar Bacterial Pathogens on Leaves	GA Beattie, SE Lindow	33:145-72
Involvement of Bacterial Polysaccharides in Plant Pathogens	TP Denny	33:173-97
PATHOGENS: NEMATODES		
Nematode Chemotaxis and Possible Mechanisms of Host/Prey Recognition	BM Zuckerman, HB Janssen	2:95-113
Biological Control of Plant-Parasitic Nematodes	P Jatala	24:453-89
Interactions Among Root-Knot Nematodes and <i>Fusarium</i> Wilt Fungi on Host Plants	WF Mai, GS Abawi	25:317-38
The Concept of Race in Phytonematology	VH Dropkin	26:145-61
Disease-Inducing Secretions of Plant-Parasitic Nematodes	RS Hussey	27:123-41
Control of the Golden Nematode in the United States	BB Brodie, WF Mai	27:443-61
Advances in Research on <i>Caenorhabditis elegans</i> : Application to Plant Parasitic Nematodes	DL Riddle, LL Georgi	28:247-69
Integration of Molecular Data with Systematics of Plant Parasitic Nematodes	BC Hyman, TO Powers	29:89-107
Resistance to and Tolerance of Plant Parasitic Nematodes in Plants	DL Trudgill	29:167-92
Current Options for Nematode Management	LW Duncan	29:469-90
Management of the Antagonistic Potential in Agricultural Ecosystems for the Biological Control of Plant Parasitic Nematodes	RA Sikora	30:245-70
Evolution of Cyst and Noncyst-Forming Heteroderinae	JG Baldwin	30:271-90
Changing Concepts and Molecular Approaches in the Management of Virulence Genes in Potato Cyst Nematodes	J Bakker, RT Folkertsma, JNR van der Voort, JM de Boer, FJ Gommers	31:169-90
Parasitic Strategies of Root Nematodes and Associated Host Cell Responses	PC Sijmons, HJ Atkinson, U Wyss	32:235-59
Conceptual and Practical Aspects of Variability in Root-Knot Nematodes Related to Host Plant Resistance	PA Roberts	33:199-221
Transmission of Viruses by Plant Nematodes	DJF Brown, WM Robertson, DL Trudgill	33:223-49
PATHOGENS: VIRUSES		
Molecular Evolution of Plant RNA Viruses	RW Goldbach	24:289-310
Mechanisms of Resistance to Plant Viruses	F Ponz, G Bruening	24:355-81
Beetle Transmission of Plant Viruses	JP Fulton, RC Gergerich, HA Scott	25:111-23
Expression and Function of Potyviral Gene Products	WG Dougherty, JC Carrington	26:123-43

Hordeivirus Relationships and Genome Organization	AO Jackson, BG Hunter, GD Gustafson	27:95-121
Viruses in Forest Trees	F Nienhaus, JD Castello	27:165-86
Movement of Viruses Within Plants	R Hull	27:213-40
Evolution and Molecular Biology of Luteoviruses	RR Martin, PK Keese, MJ Young, PM Waterhouse, WL Gerlach	28:341-63
Coat Protein-Mediated Resistance Against Virus Infection	RN Beachy, S Loesch-Fries, NE Turner	28:451-74
Virus-Host Interactions: Induction of Chlorotic and Necrotic Responses in Plants by Tobamoviruses	JN Culver, AGC Lindbeck, WO Dawson	29:193-217
Mapping Functions on the Multipartite Genome of Beet Necrotic Yellow Vein Virus	KE Richards, T Tamada	30:291-313
<i>Tospoviruses</i> : Diagnosis, Molecular Biology, Phylogeny, and Vector Relationships	TL German, DE Ullman, JW Moyer	30:315-48
Molecular Biology and Evolution of Closteroviruses: Sophisticated Build-up of Large RNA Genomes	VV Dolja, AV Karasev, EV Koonin	32:261-85
<i>cis</i> -Acting Sequences in the Replication of Plant Viruses with Plus-Sense RNA Genomes	R Duggal, FC Lahser, TC Hall	32:287-309
Plant Viral RNA Synthesis in Cell-Free Systems	M de Graaff, EMJ Jaspars	32:311-35
RNA-RNA Recombination and Evolution in Virus-Infected Plants	AE Simon, JJ Bujarski	32:337-62
Seed Transmission of Viruses: Current Perspectives	E Johansen, MC Edwards, RO Hampton	32:363-86
<b>PATHOGENS/MOLLICUTES</b>		
Prospects for in vitro Culture of Plant-Pathogenic Mycoplasmalike Organisms	IM Lee, RE Davis	24:339-54
<b>ABIOTIC STRESS AND DISEASE</b>		
Salt Tolerance and Crop Production—A Comprehensive Approach	D Pasternak	25:271-91
Soil Compaction and Effects of Incorporated Crop Residue on Root Health	RR Allmaras, JM Kraft, DE Miller	26:219-43
Ozone and Crop Yield	AS Heagle	27:397-423
Role of Abiotic Stresses in the Decline of Red Spruce in High Elevation Forests of the Eastern United States	AH Johnson	30:349-67
Soil Environmental Modifications of Root Dynamics and Measurement	AJM Smucker	31:191-216
Mango Malformation: One Hundred Years of Research	J Kumar, US Singh, SPS Beniwal	31:217-32
Biochemical and Biophysical Aspects of Water Deficits and the Predisposition to Disease	JS Boyer	33:251-74
<b>PHYSIOLOGY, MORPHOLOGY, AND ANATOMY</b>		
Ultrastructure of Bacterial Penetration in Plants	J-S Huang	24:141-57
The Ultrastructure of the Rhizoplane and Rhizosphere	RC Foster	24:211-34
Structural and Chemical Changes Among the Rust Rungi During Appressorium Development	HC Hoch, RC Staples	25:231-47
Perspectives on Wound Healing in Resistance to Pathogens	RM Bostock, BA Stermer	27:343-71
Ultrastructure and Mobilization of Ions near Infection Sites	H Kunoh	28:93-111
Delignification by Wood-Decay Fungi	RA Blanchette	29:381-98

## 588 CHAPTER TITLES

Phenolic Compounds and Their Role in Disease Resistance	RL Nicholson, RE Hammerschmidt	30:369-89
Fumonisin, Mycotoxins Produced by <i>Fusarium</i> Species: Biology, Chemistry, and Significance	PE Nelson, AE Desjardins, RD Plattner	31:233-52
The Role of Auxin in Plant Disease Development	T Yamada	31:253-73
Plasmodesmata in Relation to Viral Movement within Leaf Tissues	WJ Lucas, RL Gilbertson	32:387-411
Developmental Regulation of Fungal Cell Wall Formation	JGH Wessels	32:413-37
Induction of Systemic Acquired Disease Resistance in Plants by Chemicals	H Kessmann, T Staub, C Hofmann, T Maetzke, J Herzog, E Ward, S Uknes, J Ryals	32:439-59
<b>BIOCHEMISTRY AND MOLECULAR BIOLOGY OF HOST-PATHOGEN INTERACTIONS</b>		
Phytoalexin Synthesis: The Biochemical Analysis of the Induction Process	J Ebel	24:235-64
The Role of Pectic Enzymes in Plant Pathogenesis	A Collmer, NT Keen	24:383-409
The Mechanisms for Self-Protection Against Bacterial Phytotoxins	RD Durbin, PJ Langston-Unkefer	26:313-29
Phytoalexin Detoxification: Importance for Pathogenicity and Practical Implications	HD VanEtten, DE Matthews, PS Matthews	27:143-64
Reassessment of Plant Wilt Toxins	NK Van Alfen	27:533-50
Plant Pathogenesis-Related Proteins Induced by Virus Infection	JF Bol, HJM Linthorst, BJC Cornelissen	28:113-38
Protease Inhibitors in Plants: Genes for Improving Defenses Against Insects and Pathogens	CA Ryan	28:425-49
Cloning of Genes and Characterization of Gene-for-Gene Systems in Plant-Fungal Interactions	PJGM de Wit	30:391-418
Role of Satellite RNA in the Expression of Symptoms Caused by Plant Viruses	CW Collmer, SH Howell	30:419-42
Molecular Mechanisms of Fungal Pathogenicity to Plants	W Schäfer	32:461-77
Early Events in the Activation of Plant Defense Responses	RA Dixon, MJ Harrison, CJ Lamb	32:479-501
Phytoalexins, Stress Metabolism, and Disease Resistance in Plants	J Kuć	33:275-97
Active Oxygen in Plant Pathogenesis	CJ Baker, EW Orlandi	33:299-321
<b>MOLECULAR GENETICS</b>		
Approaches to Cloning Plant Genes Conferring Resistance to Fungal Pathogens	JG Ellis, GJ Lawrence, WJ Peacock, AJ Pryor	26:245-63
Molecular Genetic Approaches to the Study of Fungal Pathogenesis	S Leong, DW Holden	27:463-81
Cytoplasmic Male Sterility and Maternal Inheritance of Disease Susceptibility in Maize	DR Pring, DM Lonsdale	27:483-502
Significance of dsRNA Genetic Elements in Plant Pathogenic Fungi	DL Nuss, Y Koltin	28:37-58
Working Models of Specific Recognition in Plant-Microbe Interactions	DW Gabriel, BG Rolfe	28:365-91
Molecular Genetic Analysis of the Rice Blast Fungus, <i>Magnaporthe grisea</i>	B Valent, FG Chumley	29:443-67



Molecular Genetics of Pathogenicity Determinants of <i>Pseudomonas</i> <i>solanacearum</i> , with Special Emphasis on <i>hrp</i> Genes	CA Boucher, CL Gough, M Arlat	30:443-61
Two-Component Sensory Transduction Systems in Phytobacteria	TC Charles, S Jin, EW Nester	30:463-84
Host-Selective Toxins and Disease Specificity: Perspectives and Progress	JD Walton, DG Panaccione	31:275-303
Pathogen-Derived Resistance to Plant Viruses	GP Lomonosoff	33:323-43
The Molecular Basis of Infection and Nodulation by Rhizobia: The Ins and Outs of Sympathogenesis	HP Spaiak	33:345-68
<b>GENETICS OF HOST-PATHOGEN INTERACTIONS</b>		
Molecular Markers for Genetic Analysis of Phytopathogenic Fungi	RW Michelmore, SH Hulbert	25:383-404
Genetic Control of Phenotypes in Wheat Stem Rust	AP Roelfs	26:351-67
The Population Biology of Host-Pathogen Interactions	BA McDonald, JM McDermott, SB Goodwin, RW Allard	27:77-94
Genetics of Quantitative Resistance to Fungal Disease	HH Geiger, M Heun	27:317-41
The Genetics of Resistance to Plant Viruses	RSS Fraser	28:179-200
Genetics of Small-Grain Smuts	PL Thomas	29:137-48
From Breeding to Cloning (And Back Again?): A Case Study with Lettuce Downy Mildew	IR Crute	30:485-506
The Structure of Pathogen Populations in Natural Plant Communities	JJ Burdon	31:305-23
Clonality in Soilborne, Plant-Pathogenic Fungi	JB Anderson, LM Kohn	33:369-91
Molecular Approaches to Manipulation of Disease Resistance Genes	R Michelmore	33:393-427
<b>BREEDING FOR RESISTANCE</b>		
Tissue Culture and the Selection of Resistance to Pathogens	ME Daub	24:159-86
Multiple Disease Resistance in Grain Legumes	YL Nene	26:203-17
Pyramiding Major Genes for Resistance To Maintain Residual Effects	WL Pedersen, S Leath	26:369-78
Breeding for Resistance in Forest Trees: A Quantitative Genetic Approach	SD Carson, MJ Carson	27:373-95
Plant Diseases and the Use of Wild Germplasm	JM Lenné, D Wood	29:35-63
Breeding for Disease Resistance in Peanut ( <i>Arachis hypogaea</i> )	JC Wynne, MK Beute, SN Nigam	29:279-303
Maintaining Genetic Diversity in Breeding for Resistance in Forest Trees	G Namkoong	29:325-42
Breeding Rice for Resistance to Pests	JM Bonman, GS Khush, RJ Nelson	30:507-28
On a Treadmill: Breeding Sunflowers for Resistance to Disease	WE Sackston	30:529-51
Breeding Elms for Resistance to Dutch Elm Disease	EB Smalley, RP Guries	31:325-52
Use of Alien Genes for the Development of Disease Resistance in Wheat	SS Jones, TD Murray, RE Allan	33:429-43
<b>EPIDEMIOLOGY AND INFLUENCE OF ENVIRONMENT</b>		
Microclimate in Relation to Epidemics of Powdery Mildew	H-J Aust, J v Hoyningen-Huene	24:491-510
Modeling the Long-Range Transport of Plant Pathogens in the Atmosphere	JM Davis	25:169-88
Screening for Fungicides	MC Shephard	25:189-206
Variation in Climate and Prediction of Disease in Plants	SM Coakley	26:163-81

The Role of Intermittent Wind in the Dispersal of Fungal Pathogens	DE Aylor	28:73-92
Long-Distance Dispersion of Rust Pathogens	S Nagarajan, DV Singh	28:139-53
Analytic Models of Plant Disease in a Changing Environment	B Hau	28:221-45
Development, Implementation, and Adoption of Expert Systems in Plant Pathology	JW Travis, RX Latin	29:343-60
Environmentally Driven Cereal Crop Growth Models	RW Rickman, B Klepper	29:361-80
Modeling Leaf Wetness in Relation to Plant Disease Epidemiology	L Huber, TJ Gillespie	30:553-77
Gene Flow in Plant Pathosystems	JM McDermott, BA McDonald	31:353-73
Pollen- and Seed-Transmitted Viruses and Viroids	GI Mink	31:375-402
On Spread of Plant Disease: A Theory on Foci	JC Zadoks, F van den Bosch	32:503-21
Modeling Stochastic Processes in Plant Pathology	MW Shaw	32:523-44
Epidemiological Approach to Disease Management Through Seed Technology	DC McGee	33:445-66
Models from Plant Pathology on the Movement and Fate of New Genotypes of Microorganisms in the Environment	CC Mundt	33:467-88
Plant Disease Incidence: Distributions, Heterogeneity, and Temporal Analysis	LV Madden G Hughes	33:529-64

## ACTION OF TOXICANTS AND CHEMICAL CONTROL

Benzimidazole Fungicides: Mechanism of Action and Biological Impact	LC Davidse	24:43-65
Reactions of Mycorrhizal Fungi and Mycorrhiza Formation to Pesticide		
Systemic Fungicides and the Control of Oomycetes	Y Cohen, MD Coffey	24:311-38
Chemical Control of Postharvest Diseases: Deciduous Fruits, Berries, Vegetables, and Root/Tuber Crops	JW Eckert, JM Ogawa	26:433-69
Environment and Plant Health: A Nematological Perception	HJ Wallace	27:59-75
The Role of Rain in Dispersal of Pathogen Inoculum	BDL Fitt, HA McCartney, PJ Walklate	27:241-70
Genetics of Bactericide Resistance in Plant Pathogenic Bacteria	DA Cooksey	28:201-19
Quantifying Pesticide Behavior in Soil	RJ Wagenet, JL Hutson	28:295-319
Fungicide Resistance: Practical Experience with Antiresistance Strategies and the Role of Integrated Use	T Staub	29:421-42
Herbicide Interactions with Fungal Root Pathogens, with Special Reference to Glyphosate	CA Lévesque, JE Rahe	30:579-602
Chemical Control of Plant Diseases: Problems and Prospects	MA De Waard, SG Georgopoulos, DW Holloman, H Ishii, P Leroux, NN Ragsdale, FJ Schwinn	31:403-21
Efforts by Industry to Improve the Environmental Safety of Pesticides	JR James, BG Tweedy, LC Newby	31:423-39
Social and Political Implications of Managing Plant Diseases with Decreased Availability of Fungicides in the United States	NN Ragsdale, HD Sisler	32:545-57
Social and Political Implications of Managing Plant Diseases with Restricted Fungicides in Europe	ML Gullino, LAM Kuipers	32:559-79

## BIOLOGICAL AND CULTURAL CONTROL

Practices and Precautions in the Use of Cross Protection for Plant Virus Disease Control	RW Fulton	24:67-81
Basis for the Control of Soilborne Plant Pathogens with Composts	HAI Hoitink, PC Fahy	24:93-114
Siderophores: Their Biochemistry and Possible Role in the Biocontrol of Plant Pathogens	J Leong	24:187-209
<i>Rhizobium</i> —The Refined Parasite of Legumes	MA Djordjevic, DW Gabriel, BG Rolfe	25:145-68
Interactions of Deleterious and Beneficial Rhizosphere Microorganisms and the Effect of Cropping Practices	B Schippers, AW Bakker, PAHM Bakker	25:339-58
Role of Antibiosis in the Biocontrol of Plant Diseases	DR Fravel	26:75-91
Biological Control of Soilborne Pathogens in the Rhizosphere	DM Weller	26:379-407
Biological Control of Postharvest Disease	CL Wilson, M Wisniewski	27:425-41
Factors Affecting the Efficacy of Natural Enemies of Nematodes	RM Sayre, DE Walter	29:149-66
Biological Control in the Phyllosphere	JH Andrews	30:603-35
The Status of Biological Control of Weeds with Fungal Pathogens	DO Te Beest, XB Yang, CR Cisar	30:637-57
Biological Control of Chestnut Blight in Europe	U Heiniger, D Rigling	32:581-99

## SPECIAL TOPICS

Disease Management Strategies and the Survival of the Banana Industry	RH Stover	24:83-91
The Biology of <i>Phytophthora cinnamomi</i> in Australasian Forests	G Weste, GC Marks	25:207-29
Epidemiology of Aflatoxin Formation by <i>Aspergillus flavus</i>	UL Diener, RJ Cole, TH Sanders, GA Payne, LS Lee, MA Klich	25:249-70
Fungal Endophytes of Grasses	MR Siegel, GCM Latch, MC Johnson	25:293-313
Guidelines and Regulations for Research with Genetically Modified Organisms: A View from Academe	SA Tolin, AK Vidaver	27:551-81
The Changing Role of Extension Plant Pathologists	BJ Jacobsen, AO Paulus	28:271-94
The Behavior and Tracking of Bacteria in the Rhizosphere	DA Kluepfel	31:441-72
Manipulation and Vectoring of Biocontrol Organisms to Manage Foliage and Fruit Diseases in Cropping Systems	JC Sutton, G Peng	31:473-93
Biological Impact and Risk Assessment in Plant Pathology Pathogens	PS Teng, XB Yang	31:495-521
The Role of Plant Clinics in Disease Diagnosis and Education: A North American Perspective	LW Barnes	32:601-9
Remote Sensing and Image Analysis in Plant Pathology	H-E Nilsson	33:489-527



